

## Abstract

The invention relates to a device for the UV treatment of fluids flowing in a flow channel, comprising a number of cylindrical low-pressure mercury UV emitters, which are arranged in groups in the flow channel, substantially with their longitudinal axes parallel to one another, in such a way that one group comprises a plurality of emitters arranged in one plane, comprising sensor means for monitoring the operating state of the emitters, and comprising at least one unit, which is connected to the sensor means, for controlling, adjusting and/or monitoring the emitters. Individual monitoring of the radiation power of each emitter is facilitated in that the sensor means comprise at least one elongate sensor arrangement, which is arranged parallel to one of the groups and at a distance from the group, the sensor arrangement extending substantially transversely to the longitudinal axes of the emitters of the adjacent group, and a separate UV sensor being provided for each emitter of the group.

Fig. 1